

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/017419 A1

(51) International Patent Classification⁷: F24F 13/068

(21) International Application Number:

PCT/SE2004/001182

(22) International Filing Date: 12 August 2004 (12.08.2004)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:
0302201-9 13 August 2003 (13.08.2003) SE

(71) Applicant (for all designated States except US): AIRSON AB [SE/SE]; Metallgatan 33, S-262 72 Ängelholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KRISTENSSON, Jan [SE/SE]; Syrenvägen 1, S-262 65 Ängelholm (SE). KRISTENSSON, Dan [SE/SE]; Björkstigen 15, S-262 63 Ängelholm (SE). SVENSSON, Pål [SE/SE]; Sniljegången 10, S-302 44 Halmstad (SE).

(74) Agents: WAGNER, Heinz et al.; H. Wagner & Co. AB, Norra Vallgatan 72, S-211 22 Malmö (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

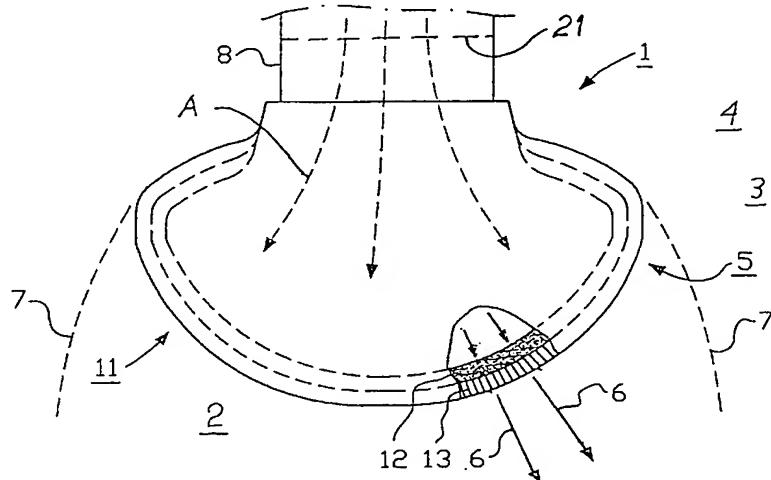
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AIR SUPPLY DEVICE



WO 2005/017419 A1

(57) Abstract: The present invention relates to an air supply device for obtaining zones of clean air in premises, said air supply device (1) comprising at least one air permeable body (11) including at least one inner and at least one outer part (12, 13) of which the inner part (12) consists of or includes porous material. A fan device is provided to bring air, which is to be supplied to the premises (2), to flow through the air permeable body (11) at low air velocity. A device is provided to see to that the air (A) supplied to the premises (2) has a lower temperature than the air in said premises (2). The air permeable body (11) has, in cross section, the shape of parts of a circle or substantially a circle or primarily parts of a circle or substantially a circle. The outer part (13) has passages which are substantially rectilinear, substantially uniform in thickness and located close to each other, said passages further having a length which is at least four times greater than their width in order to generate rectilinear and uniformly distributed partial air streams.